



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12661807
SAU: MSAD 75
School: Mt Ararat Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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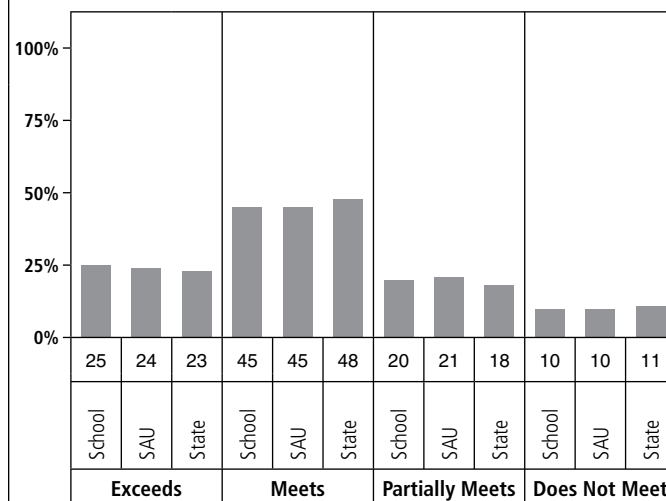
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

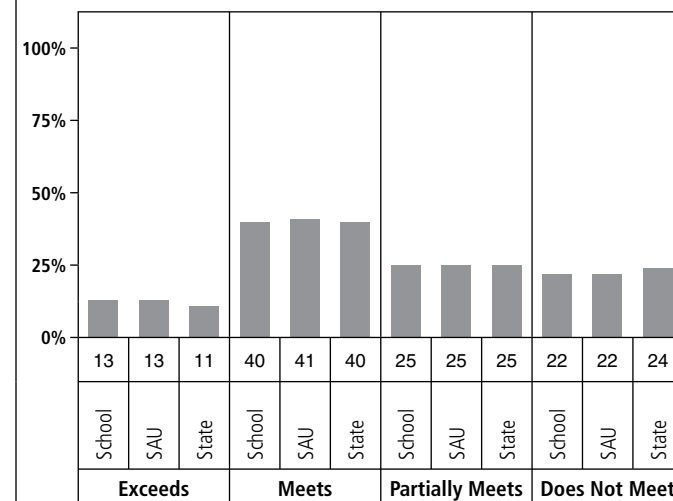
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	847	847	845
2006–2007	850	850	847
2007–2008	850	850	849
Cum. Avg. *	849	849	847
Mathematics			
2005–2006	841	841	840
2006–2007	848	848	842
2007–2008	842	842	841
Cum. Avg. *	844	844	841
Science & Technology			
2005–2006	846	846	846
2006–2007	851	851	847
2007–2008	849	849	847
Cum. Avg. *	849	849	847

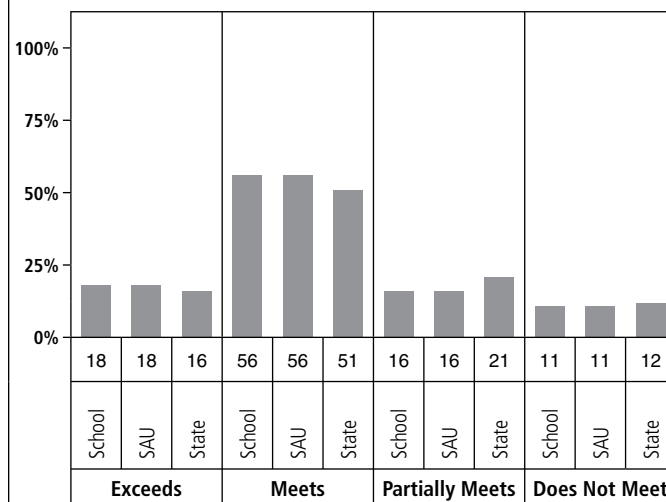
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	247	100	244	100	15274	100	246	100	243	100	15102	99	245	99	242	99	15097	99	245	99	242	99	15080	99						
Ethnicity African American/Black	6	2	6	2	368	2	6	100	6	100	356	97	6	100	6	100	360	98	6	100	6	100	356	97						
American Indian or Native Alaskan	1	0	1	0	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98						
Asian or Pacific Islander	3	1	3	1	186	1	3	100	3	100	181	97	3	100	3	100	182	98	3	100	3	100	182	98						
Hispanic	2	1	2	1	139	1	2	100	2	100	136	98	2	100	2	100	136	98	2	100	2	100	136	98						
Caucasian/White	235	95	232	95	14461	95	234	100	231	100	14312	99	233	99	230	99	14302	99	233	99	230	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	73	30	73	30	2508	16	72	99	72	99	2446	98	71	97	71	97	2441	98	71	97	71	97	2431	98						
Current LEP	1	0	1	0	327	2	1	100	1	100	316	97	1	100	1	100	322	99	1	100	1	100	322	99						
Economically disadvantaged	68	28	67	27	5420	35	68	100	67	100	5329	99	67	99	66	99	5324	99	67	99	66	99	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	162	66	159	65	12703	83	163	66	160	66	12694	83	162	66	159	65	12710	83						
Identified disability (PET/IEP)	2	1	2	1	437	3	2	1	2	1	421	3	2	1	2	1	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	3	2	3	2	229	2	4	2	4	3	231	2	3	2	3	2	230	2						
Participation with accommodations	82	33	82	34	2221	15	80	32	80	33	2227	15	81	33	81	33	2197	14						
Identified disability (PET/IEP)	68	83	68	83	1832	82	67	84	67	84	1844	83	67	83	67	83	1813	83						
LEP	1	1	1	1	136	6	1	1	1	1	143	6	1	1	1	1	142	6						
504 plan	8	10	8	10	68	3	7	9	7	9	66	3	8	10	8	10	66	3						
Other	5	6	5	6	213	10	5	6	5	6	202	9	5	6	5	6	204	9						
Participation through alternate assessment (PAAP)	2	1	2	1	177	1	2	1	2	1	176	1	2	1	2	1	173	1						
Identified disability (PET/IEP)	2	100	2	100	177	100	2	100	2	100	176	100	2	100	2	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	1	0	1	0	140	1	2	1	2	1	143	1	2	1	2	1	160	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	55	23	55	23	2695	17
	2006-2007	44	20	44	20	2407	16
	2007-2008	61	25	59	24	3428	23
	Cum. Total*	160	23	158	22	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	98	40	98	40	6830	42
	2006-2007	112	50	112	50	7494	49
	2007-2008	109	45	108	45	7179	48
	Cum. Total*	319	45	318	45	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	47	19	48	20	3741	23
	2006-2007	52	23	52	23	3628	24
	2007-2008	50	20	50	21	2706	18
	Cum. Total*	149	21	150	21	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	42	17	42	17	3003	18
	2006-2007	15	7	15	7	1810	12
	2007-2008	24	10	24	10	1611	11
	Cum. Total*	81	11	81	11	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	37.1	66.3	37.0	66.1	36.9	65.9
Literary Text	28	50	18.2	65.0	18.2	65.0	18.3	65.4
Informational Text	28	50	18.9	67.5	18.8	67.1	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 75
 School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	244	61	25	109	45	50	20	24	10	850	241	24	45	21	10	850	14924	23	48	18	11	849
Ethnicity																						
African American/Black	6	1	17	2	33	0	0	3	50	842	6	17	33	0	50	842	348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	3										3						179	32	39	18	11	852
Hispanic	2										2						131	18	38	27	17	846
Caucasian/White	232	59	25	104	45	49	21	20	9	850	229	25	45	21	9	850	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	70	4	6	17	24	27	39	22	31	836	70	6	24	39	31	836	2269	3	24	32	42	833
No	174	57	33	92	53	23	13	2	1	855	171	32	53	13	1	855	12655	27	52	16	5	852
Current LEP																						
Yes	1										1						308	8	30	27	34	837
No	243	61	25	109	45	50	21	23	9	850	240	25	45	21	10	850	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	66	5	8	32	48	20	30	9	14	844	65	8	48	31	14	844	5222	12	44	25	19	843
No	178	56	31	77	43	30	17	15	8	852	176	31	44	17	9	852	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	244	61	25	109	45	50	20	24	10	850	241	24	45	21	10	850	14917	23	48	18	11	849
Gender																						
Female	117	40	34	54	46	18	15	5	4	854	115	33	47	16	4	854	7198	30	48	15	7	853
Male	127	21	17	55	43	32	25	19	15	846	126	17	43	25	15	846	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	244	61	25	109	45	50	20	24	10	850	241	24	45	21	10	850	14117	24	49	17	10	850
Gifted/talented program																						
Yes	14	12	86	2	14	0	0	0	0	872	12	83	17	0	0	871	592	71	28	1	0	867
No	230	49	21	107	47	50	22	24	10	849	229	21	46	22	10	848	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	8 41 48 3	0 22 37 2	0 22 32 25	4 43 59 3	20 43 51 38	13 20 14 3	65 20 12 38	3 14 6 0	15 14 5 0	836 848 854 850	8 41 48 3	0 22 31 25	20 43 52 38	65 20 12 38	15 14 5 0	836 848 854 850	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	31 55 11 4	21 33 6 1	28 25 23 11	38 62 6 3	51 47 23 33	10 28 8 4	13 21 31 44	6 10 6 1	8 8 23 11	852 851 844 843	31 55 10 4	27 25 20 11	51 46 24 33	14 21 32 44	8 8 24 11	852 851 843 843	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	33 42 21 4	37 20 4 0	46 20 8 0	32 52 20 5	40 51 39 50	8 19 20 3	10 19 39 30	3 11 7 2	4 11 14 20	857 849 842 842	33 42 21 4	46 19 8 0	41 51 39 50	10 19 39 30	4 11 14 20	857 849 842 842	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	23 67 10	16 35 10	30 22 40	16 80 10	30 50 40	15 29 5	28 18 20	7 16 0	13 10 0	849 850 854	23 67 10	30 22 38	30 50 42	28 18 21	13 10 0	849 849 853	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	12 54 34	3 20 37	11 16 45	9 65 32	32 51 39	8 31 11	29 24 13	8 12 2	29 9 2	841 848 857	12 54 34	11 16 44	32 51 39	29 24 14	29 9 3	841 848 857	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	47 47 6	30 30 1	27 27 7	46 56 6	41 50 40	23 18 7	21 16 47	13 9 1	12 8 7	850 851 843	47 46 6	27 25 7	41 50 40	21 16 47	12 8 7	850 851 843	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	17 48 12 23	19 31 7 4	45 26 25 7	16 58 12 23	38 50 43 41	4 21 5 20	10 18 18 36	3 7 4 9	7 6 14 16	856 852 847 842	17 48 12 23	43 27 25 7	40 49 43 41	10 18 18 36	8 6 14 16	855 852 847 842	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	53 40 5 2	42 18 1 0	33 19 8 0	56 45 6 2	43 47 46 50	21 23 4 2	16 24 31 50	10 10 2 0	8 10 15 0	852 848 845 844	53 40 5 2	32 18 8 0	43 47 46 50	17 24 31 50	8 11 15 0	852 848 845 844	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	58 38 4 0	43 17 1 0	32 19 11 0	60 43 3 0	44 48 33 0	20 20 5 1	15 22 56 100	12 9 0 0	9 10 0 0	852 849 843 836	58 37 4 0	32 17 11 0	44 49 33 0	15 23 56 100	9 10 0 0	852 849 843 836						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	30	12	30	12	1714	11
	2006-2007	44	20	44	20	1952	13
	2007-2008	32	13	30	13	1657	11
	Cum. Total*	106	15	104	15	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	86	36	87	36	5533	34
	2006-2007	101	45	101	45	5870	38
	2007-2008	98	40	98	41	5956	40
	Cum. Total*	285	40	286	41	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	69	29	69	29	4764	29
	2006-2007	45	20	45	20	3982	26
	2007-2008	60	25	59	25	3729	25
	Cum. Total*	174	25	173	25	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	56	23	56	23	4251	26
	2006-2007	33	15	33	15	3534	23
	2007-2008	53	22	53	22	3579	24
	Cum. Total*	142	20	142	20	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.7	54.4	8.6	53.8	8.4	52.5
Cluster 2: Shape and Size	14	25	6.3	45.0	6.2	44.3	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.5	56.3	4.4	55.0	4.6	57.5
Cluster 4: Patterns	18	32	9.3	51.7	9.3	51.7	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lslalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 75
 School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	243	32	13	98	40	60	25	53	22	842	240	13	41	25	22	842	14921	11	40	25	24	841
Ethnicity																						
African American/Black	6	1	17	1	17	2	33	2	33	839	6	17	17	33	33	839	352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	3										3						181	24	42	20	14	848
Hispanic	2										2						131	7	34	26	33	836
Caucasian/White	231	30	13	95	41	56	24	50	22	843	228	12	42	24	22	842	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	69	0	0	16	23	17	25	36	52	829	69	0	23	25	52	829	2265	1	14	22	62	824
No	174	32	18	82	47	43	25	17	10	848	171	18	48	25	10	848	12656	13	45	26	17	844
Current LEP																						
Yes	1										1						315	5	24	20	51	828
No	242	32	13	98	40	59	24	53	22	843	239	13	41	24	22	842	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	65	2	3	23	35	20	31	20	31	835	64	3	36	30	31	835	5217	5	30	29	37	834
No	178	30	17	75	42	40	22	33	19	845	176	16	43	23	19	845	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	243	32	13	98	40	60	25	53	22	842	240	13	41	25	22	842	14914	11	40	25	24	841
Gender																						
Female	117	21	18	46	39	32	27	18	15	845	115	17	40	28	16	844	7199	11	40	26	23	841
Male	126	11	9	52	41	28	22	35	28	840	125	9	42	22	28	840	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	243	32	13	98	40	60	25	53	22	842	240	13	41	25	22	842	14115	12	41	25	23	842
Gifted/talented program																						
Yes	14	13	93	1	7	0	0	0	0	872	12	92	8	0	0	873	592	58	39	2	1	864
No	229	19	8	97	42	60	26	53	23	841	228	8	43	26	23	841	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	6	30	4	20	10	50	830	8	0	30	20	50	830	9	5	30	23	41	833
B. less than one hour	41	11	11	37	37	30	30	21	21	842	41	11	38	30	21	842	46	10	40	26	25	840
C. one to two hours	48	18	16	54	47	25	22	19	16	846	48	14	47	22	17	845	41	14	42	25	19	843
D. more than two hours	3	3	38	1	13	1	13	3	38	841	3	38	13	13	38	841	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	35	12	14	38	45	20	24	14	17	846	35	14	45	24	17	846	30	17	43	22	18	845
B. They match some of what I have learned.	50	16	13	51	42	28	23	26	21	842	49	12	43	23	22	842	50	10	42	26	22	841
C. They match just a little of what I have learned.	12	4	14	6	21	8	29	10	36	838	12	14	21	29	36	838	17	6	32	29	33	836
D. There is no match.	4	0	0	2	22	4	44	3	33	834	4	0	22	44	33	834	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	30	24	33	32	44	9	13	7	10	853	29	31	46	13	10	853	26	29	46	14	11	851
B. good	47	8	7	51	45	36	32	19	17	842	47	7	45	31	17	842	45	7	46	27	20	841
C. fair	20	0	0	13	27	15	31	21	43	831	21	0	27	31	43	831	23	1	26	34	38	833
D. poor	3	0	0	1	14	0	0	6	86	825	3	0	14	0	86	825	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	31	5	7	23	31	16	21	31	41	835	32	7	31	21	41	835	34	4	35	28	32	836
B. about the same as my regular schoolwork	55	16	12	57	44	38	29	20	15	843	54	11	45	29	16	843	52	10	43	26	21	842
C. easier than my regular schoolwork	14	11	33	14	42	6	18	2	6	856	14	33	42	18	6	856	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	45	11	10	35	33	31	29	29	27	840	45	10	33	29	28	840	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	49	20	17	52	45	23	20	21	18	845	49	16	46	20	18	844	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	6	1	7	6	40	5	33	3	20	840	6	7	40	33	20	840	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	12	1	3	14	47	10	33	5	17	840	12	3	48	31	17	841	9	6	38	27	29	837
B. two or three days a week	36	7	8	30	35	29	34	20	23	839	36	8	35	34	23	839	16	8	38	27	27	839
C. two or three times each month	31	11	14	35	46	13	17	17	22	845	32	14	46	17	22	845	28	12	41	27	21	843
D. never or almost never	21	13	26	18	36	8	16	11	22	846	20	23	38	17	23	845	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	63	26	17	55	36	41	27	31	20	843	63	16	37	27	21	843	38	14	42	23	21	843
B. two or three times a week	26	4	6	31	48	13	20	16	25	841	27	6	48	20	25	841	33	10	41	26	23	841
C. two or three times each month	6	1	7	6	43	4	29	3	21	843	6	7	43	29	21	843	18	10	36	27	27	840
D. never or almost never	5	1	9	5	45	2	18	3	27	837	5	9	45	18	27	837	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	64	26	17	63	40	33	21	34	22	844	65	16	41	21	22	844	54	14	44	23	18	844
B. agree	29	4	6	29	41	24	34	14	20	839	29	6	41	33	20	839	38	8	36	27	28	838
C. disagree	4	2	22	2	22	2	22	3	33	839	3	13	25	25	38	834	6	6	31	28	36	835
D. strongly disagree	2	0	0	3	50	1	17	2	33	838	3	0	50	17	33	838	2	3	23	25	49	831
Optional school/SAU question																						
A.	58	22	16	52	39	32	24	29	21	844	58	16	39	24	21	844						
B.	38	10	11	39	44	25	28	15	17	843	37	9	45	28	17	843						
C.	4	0	0	4	44	1	11	4	44	831	4	0	44	11	44	831						
D.	0	0	0	0	0	1	100	0	0	836	0	0	0	100	0	836						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	26	11	26	11	1879	12
	2006-2007	40	18	40	18	2192	14
	2007-2008	43	18	42	18	2371	16
	Cum. Total*	109	15	108	15	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	125	52	126	52	8604	53
	2006-2007	119	53	119	53	7916	52
	2007-2008	136	56	134	56	7630	51
	Cum. Total*	380	54	379	54	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	60	25	60	25	3618	22
	2006-2007	48	22	48	22	3340	22
	2007-2008	38	16	38	16	3175	21
	Cum. Total*	146	21	146	21	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	31	13	31	13	2174	13
	2006-2007	16	7	16	7	1865	12
	2007-2008	26	11	26	11	1731	12
	Cum. Total*	73	10	73	10	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.4	60.0	8.3	59.3	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.8	55.7	7.8	55.7	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.6	54.3	7.6	54.3	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.8	62.9	8.8	62.9	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	243	43	18	136	56	38	16	26	11	849	240	18	56	16	11	849	14907	16	51	21	12	847
Ethnicity																						
African American/Black	6	1	17	3	50	1	17	1	17	845	6	17	50	17	17	845	349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	3										3						181	20	50	15	15	849
Hispanic	2										2						131	5	50	22	23	842
Caucasian/White	231	40	17	129	56	37	16	25	11	849	228	17	56	16	11	849	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	69	3	4	30	43	17	25	19	28	840	69	4	43	25	28	840	2258	3	29	31	37	836
No	174	40	23	106	61	21	12	7	4	852	171	23	61	12	4	852	12649	18	55	20	7	850
Current LEP																						
Yes	1										1						315	4	29	25	42	834
No	242	43	18	136	56	37	15	26	11	849	239	18	56	15	11	849	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	65	4	6	38	58	15	23	8	12	845	64	6	58	23	13	845	5206	8	45	28	20	842
No	178	39	22	98	55	23	13	18	10	850	176	22	55	13	10	850	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	243	43	18	136	56	38	16	26	11	849	240	18	56	16	11	849	14900	16	51	21	12	847
Gender																						
Female	117	25	21	64	55	17	15	11	9	849	115	21	55	15	10	849	7196	14	52	23	12	847
Male	126	18	14	72	57	21	17	15	12	848	125	14	57	17	12	848	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	243	43	18	136	56	38	16	26	11	849	240	18	56	16	11	849	14103	16	52	21	11	848
Gifted/talented program																						
Yes	14	11	79	3	21	0	0	0	0	867	12	83	17	0	0	867	592	63	35	1	0	865
No	229	32	14	133	58	38	17	26	11	848	228	14	58	17	11	848	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 75
School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	12	60	4	20	4	20	841	8	0	60	20	20	841	9	10	40	26	23	842
B. less than one hour	41	19	19	48	48	17	17	15	15	848	41	19	48	17	15	848	46	14	52	22	12	847
C. one to two hours	48	23	20	72	62	17	15	4	3	852	48	19	62	15	4	851	41	19	53	19	9	849
D. more than two hours	3	1	13	4	50	0	0	3	38	844	3	13	50	0	38	844	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	21	12	24	25	50	6	12	7	14	848	21	24	49	12	14	848	29	19	54	19	9	849
B. They match some of what I have learned.	50	22	18	63	52	25	21	11	9	849	51	18	53	21	9	849	49	16	51	22	11	848
C. They match just a little of what I have learned.	21	5	10	35	70	5	10	5	10	849	21	10	69	10	10	849	18	13	51	23	13	846
D. There is no match.	8	4	21	10	53	2	11	3	16	848	8	21	53	11	16	848	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	29	25	36	32	46	6	9	7	10	853	30	36	46	9	10	853	23	28	51	13	8	853
B. good	48	16	14	76	66	13	11	10	9	849	48	14	66	11	9	849	54	15	55	21	9	848
C. fair	21	2	4	23	46	17	34	8	16	842	20	2	46	35	17	841	20	5	45	32	18	842
D. poor	2	0	0	2	40	2	40	1	20	844	2	0	40	40	20	844	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	38	19	21	47	52	14	16	10	11	850	37	21	52	16	11	850	27	15	49	22	14	846
B. about the same as my regular schoolwork	51	18	15	66	55	23	19	14	12	847	52	15	55	19	12	847	59	15	53	22	10	848
C. easier than my regular schoolwork	11	5	19	18	69	1	4	2	8	850	11	19	69	4	8	850	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	42	18	18	55	54	19	19	10	10	849	42	18	53	19	10	849	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	52	24	19	75	60	16	13	11	9	850	52	19	60	13	9	849	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	6	1	7	6	40	3	20	5	33	842	6	7	40	20	33	842	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	29	6	9	38	55	17	25	8	12	845	29	9	55	25	12	845	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	32	13	17	42	56	12	16	8	11	849	31	16	56	16	11	849	24	18	53	20	10	849
C. the course(s) described in B, plus physics	23	19	35	27	50	4	7	4	7	854	23	36	49	8	8	854	22	30	47	14	8	853
D. a life science and physical science class	17	4	10	26	65	4	10	6	15	846	17	10	65	10	15	846	29	8	52	27	14	844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.”																						
A. strongly agree	33	16	20	45	56	11	14	9	11	849	33	20	55	14	11	849	27	23	51	17	9	851
B. agree	53	26	20	72	55	18	14	14	11	849	53	20	55	14	11	849	54	15	53	21	11	847
C. disagree	10	1	4	14	56	9	36	1	4	844	10	4	56	36	4	844	15	10	50	26	14	845
D. strongly disagree	3	0	0	5	71	0	0	2	29	843	3	0	71	0	29	843	4	7	39	30	24	841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.”																						
A. strongly agree	29	18	26	37	54	8	12	6	9	852	28	27	52	12	9	852	25	24	52	15	8	851
B. agree	37	17	19	49	56	14	16	8	9	849	37	19	56	16	9	849	37	15	50	22	12	847
C. disagree	24	6	10	32	54	12	20	9	15	845	25	10	54	20	15	845	26	12	53	23	12	846
D. strongly disagree	10	2	8	16	64	4	16	3	12	846	10	4	67	17	13	845	12	8	48	28	15	844
Optional school/SAU question																						
A.	58	32	24	69	51	22	16	12	9	850	58	24	51	16	9	850						
B.	38	10	11	58	65	12	13	9	10	848	37	10	65	14	10	848						
C.	4	0	0	5	56	1	11	3	33	840	4	0	56	11	33	840						
D.	0	0	0	1	100	0	0	0	0	844	0	0	100	0	0	844						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number